


PRESSURE SENSITIVE SCROLLBAR FEATURE

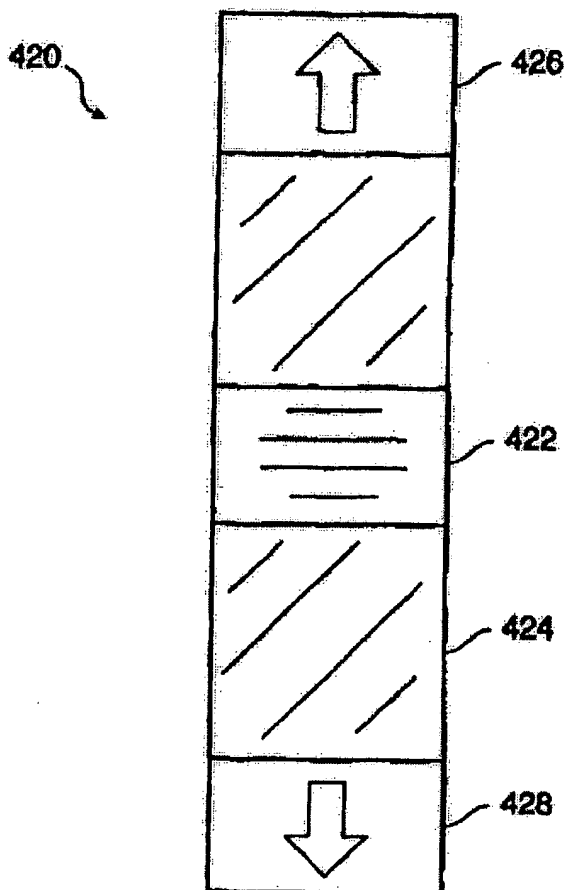
Patent number: WO9718508
Publication date: 1997-05-22
Inventor: ALLEN TIMOTHY P; GILLESPIE DAVID; FERRUCCI AARON T
Applicant: SYNAPTICS INC (US)
Classification:
 - international: G06F3/033
 - european: G06F3/033D2, G06F3/033A1S2
Application number: WO1996US17862 19961106
Priority number(s): US19950558114 19951113

Also published as:
 EP0861462 (A1)

Cited documents:
 EP0394614

Abstract of WO9718508

A proximity sensor system includes a sensor matrix array having a characteristic capacitance on horizontal and vertical conductors connected to sensor pads. The capacitance changes as a function of the proximity of an object to the sensor matrix. The change in capacitance of each node in both the X and Y directions of the matrix due to the approach of an object is converted to a set of voltages in the X and Y directions. These voltages are processed by circuitry to develop electrical signals representative of the centroid of the profile of the object, i.e., its position in the X and Y dimensions. Noise reduction and background level setting techniques inherently available in the architecture are employed. Pressure information is used to modify the scrolling speed.



Data supplied from the esp@cenet database - Worldwide

BEST AVAILABLE COPY